BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

	Estimate Cost Rs.	2500000.00

Name of Work:-Detailed estimate for Improvements of drains and RCC road near Kanakanagara in ward no 04

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1.Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift up to 1.5m,excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2014-15)	Cum							
			1	52.25	23.00	0.50	600.88		
							600.88	75.60	45426.00
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							
2	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH Chapter 2	Sqm							
			1	52.25	22.00		1149.50	4.48	5152.00
	Basic Rate	4.15							
	Area Weightage @ 8%	0.33							
	Total	**4.48**							

3	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed.machine mixed,concrete laid in layers not exceeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no4.3,Page no12,PWD SR 2014-15)	Cum							
			1	52.25	23.00	0.15	180.26		
	Basic Rate	4488.00					180.26	4847.04	873740.00
	Area Weightage @ 8%	359.04							
	Total	4847.04							
4	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with super plasterise @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2014-15,p.no13,sno4.11)	Cum							
			1	52.25	23.00	0.10	120.18		
							120.18	6065.28	728895.00
	Basic rate	5616.00							
	Add 8% AW	449.28							
	Total	6065.28							
5	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe550(pwd sr 2014-15,p.no17,s.no 4.46)	Qtl							
			2						

	For culvert 35 kg / cum						42.06		
							42.06	7905.60	332519.00
	Basic rate	7320.00							
	Add 8% AW	585.60							
	Total	7905.60							
6	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No 171, I.No 22.7)	Sqm							
			1	52.25	23.00		1201.75	97.20	116810.00
	Basic rate	90.00							
	Add 8% AW	7.20							
	Total	97.20							
7	Providing groove cutting for width of 5 mm to 10mm and depth 81mm-100 mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillers, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications for concrete payment, (P.No 172, I.No 22.8)1	Rmt							
			1	7.00	50.00		350.00		
			1	15.00	23.00		345.00		
							695.00	124.20	86319.00
	Basic rate	115.00							
	Add 8% AW	9.20							
	Total	124.20							

	KSRRB M100-1 Loading and un loading stone boulder/Stone aggregates/ sand/kanker/ Moorum. KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no 130, PWD SR 2014-15)	Cum								
			Vide Item No. 1					600.88	68.04	40884.00
	Basic Rate	63.00								
	Area Weightage @ 8%	5.04								
	Total	68.04						TOTAL		2229745.00
	KRIDL Charges 11%									245272.00
	Quality Control charges 1%									22297.00
9	Miscellaneous charges	L/S								2686.00
									Total RS	2500000.00
	(Rupees twenty five lakhs only)									

Certificate:-

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per C.S.R. of 2014-15
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 04

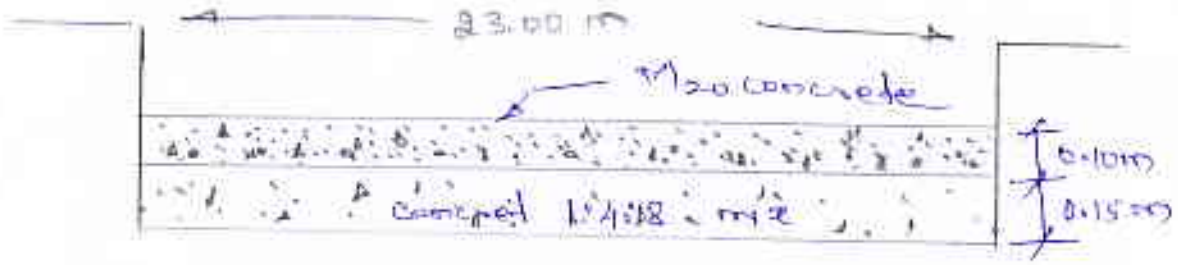
Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Sanction for Rs.
Administrative Approval
Accorded for Rs 25Crores
recorded under head
P-2415
referred as CE No. 124 Dt: 10.02.15 Subject
conditions contained in enclosed memo
Dr.
AE/JE TA SE (NTP) CE (NTP)
(YNK)

Sanction for Rs.
Technical Sanction
Accorded for Rs 25Crores
P-2415
90 Dt: 10-02-15
Subject
Conditions contained in enclosed memo
No Dr.
AE/JE TA SE (NTP) CE (NTP)
(YNK)

Improvement of drain & RCC road near Kudakanagara in ward No: 04.



c/s of concrete surfaced.

AE

AEE